

AMENDMENTS TO THE CLAIMS

1-27. (Cancelled)

28. (Currently amended) A ceramic coated fiber, comprising:

(a) a fiber, and

(b) ceramic, coated on the fiber,

wherein the ceramic has a BET surface area of at least $200 \text{ m}^2/\text{g}$, and
the ceramic comprises at least one member selected from the group
consisting of Al_2O_3 , ZrO_2 , and MgO , and

the ceramic accounts for 10 to 90% by weight of the ceramic coated
fiber.

29. (Previously Presented) The ceramic coated fiber of claim 28, wherein the
ceramic has a BET surface area of $200 \text{ m}^2/\text{g}$ to $300 \text{ m}^2/\text{g}$.

30. (Canceled).

31. (Previously presented) The ceramic coated fiber of claim 28, wherein the
ceramic further comprises silver and/or palladium.

32. (Cancelled)

33. (Previously Presented) The ceramic coated fiber of claim 28, wherein the
ceramic has a BET surface area of $200 \text{ m}^2/\text{g}$ to $2000 \text{ m}^2/\text{g}$.

34. (Previously Presented) The ceramic coated fiber of claim 28, wherein the
ceramic has a BET surface area of $200 \text{ m}^2/\text{g}$ to $500 \text{ m}^2/\text{g}$.

35-44. (Cancelled).

45. (Previously Presented) The ceramic coated fiber of claim 28, wherein the
ceramic has a BET surface area of at least $500 \text{ m}^2/\text{g}$.

46. (Currently amended) A ceramic coated fiber, comprising:

(a) a fiber, and

(b) ceramic, coated on the fiber,
wherein the ceramic has a BET surface area of at least $200 \text{ m}^2/\text{g}$, and
the ceramic comprises crystalline ceramic, and
the ceramic comprises 10 to 90% by weight of the ceramic coated fiber.

47. (Previously presented) The ceramic coated fiber of claim 46, wherein the ceramic comprises TiO_2 and/or TiON having an anatase structure.

48. (Previously presented) The ceramic coated fiber of claim 46, wherein the ceramic comprises at least one member selected from the group consisting of TiO_2 , TiON , TiOS , Al_2O_3 , ZrO_2 , and MgO .

49. (Previously presented) The ceramic coated fiber of claim 46, wherein the ceramic has a BET surface area of $200 \text{ m}^2/\text{g}$ to $300 \text{ m}^2/\text{g}$.

50. (Canceled).

51. (Previously presented) The ceramic coated fiber of claim 46, further comprising silver and/or palladium.

52. (Previously presented) The ceramic coated fiber of claim 46, wherein the ceramic has a BET surface area of $200 \text{ m}^2/\text{g}$ to $2000 \text{ m}^2/\text{g}$.

53. (Previously presented) The ceramic coated fiber of claim 46, wherein the ceramic has a BET surface area of $200 \text{ m}^2/\text{g}$ to $500 \text{ m}^2/\text{g}$.

54. (Previously presented) The ceramic coated fiber of claim 46, wherein the ceramic has a BET surface area of at least $500 \text{ m}^2/\text{g}$.